

CoraLite[®] Plus 488-conjugated Alpha Actinin Monoclonal antibody

Catalog Number: **CL488-66895**

Basic Information

Catalog Number:

CL488-66895

Size:1000 μ g/ml**Source:**

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG28383

GenBank Accession Number:

BC015766

GeneID (NCBI):

87

UNIPROT ID:

P12814

Full Name:

actinin, alpha 1

Calculated MW:

103 kDa

Observed MW:

100-105 kDa

Purification Method:

Protein A purification

CloneNo.:

1E2E1

Recommended Dilutions:

WB 1:1000-1:8000

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB

Species Specificity:

Human, rat, mouse

Positive Controls:

WB : HepG2 cells, HeLa cells, RAW 264.7 cells

Background Information

Alpha Actinins are highly conserved actin-binding proteins that form antiparallel homodimers with the actin-binding domains on each end of the molecule, allowing crosslinking of actin molecules. There are four alpha actinin isoforms identified: two ubiquitously expressed cytoskeletal isoforms (ACTN1 and ACTN4) and two striated muscle-specific sarcomeric isoforms (ACTN2 and ACTN3). ACTN1 is also alternatively spliced to form smooth muscle or brain specific isoforms. This antibody recognize endogenous ACTN1, while it may cross-react with ACTN2 and ACTN4.

Storage

Storage:

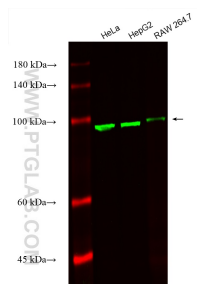
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66895 (Alpha Actinin antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.